



ENERGY STAR Delivers Performance

States and communities can save money, reduce energy use, and prevent pollution by integrating ENERGY STAR into an existing or new energy program.

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What is ENERGY STAR?

ENERGY STAR is ...

More than Label

Voluntary Partnership

Common Goal: Protect Environment for
Future Generations



Products



Homes



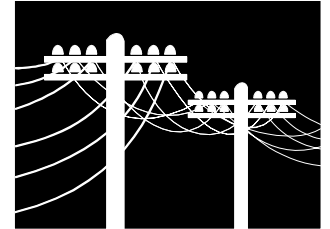
Organizations



Energy and Environment

Problem:

Commercial buildings
generate 18% of U.S. carbon
dioxide emissions



Opportunity:

Governments spend over \$10
billion annually on energy
- 30% from wasted energy use



Codes Approaches

Does Technology Guarantee Performance?

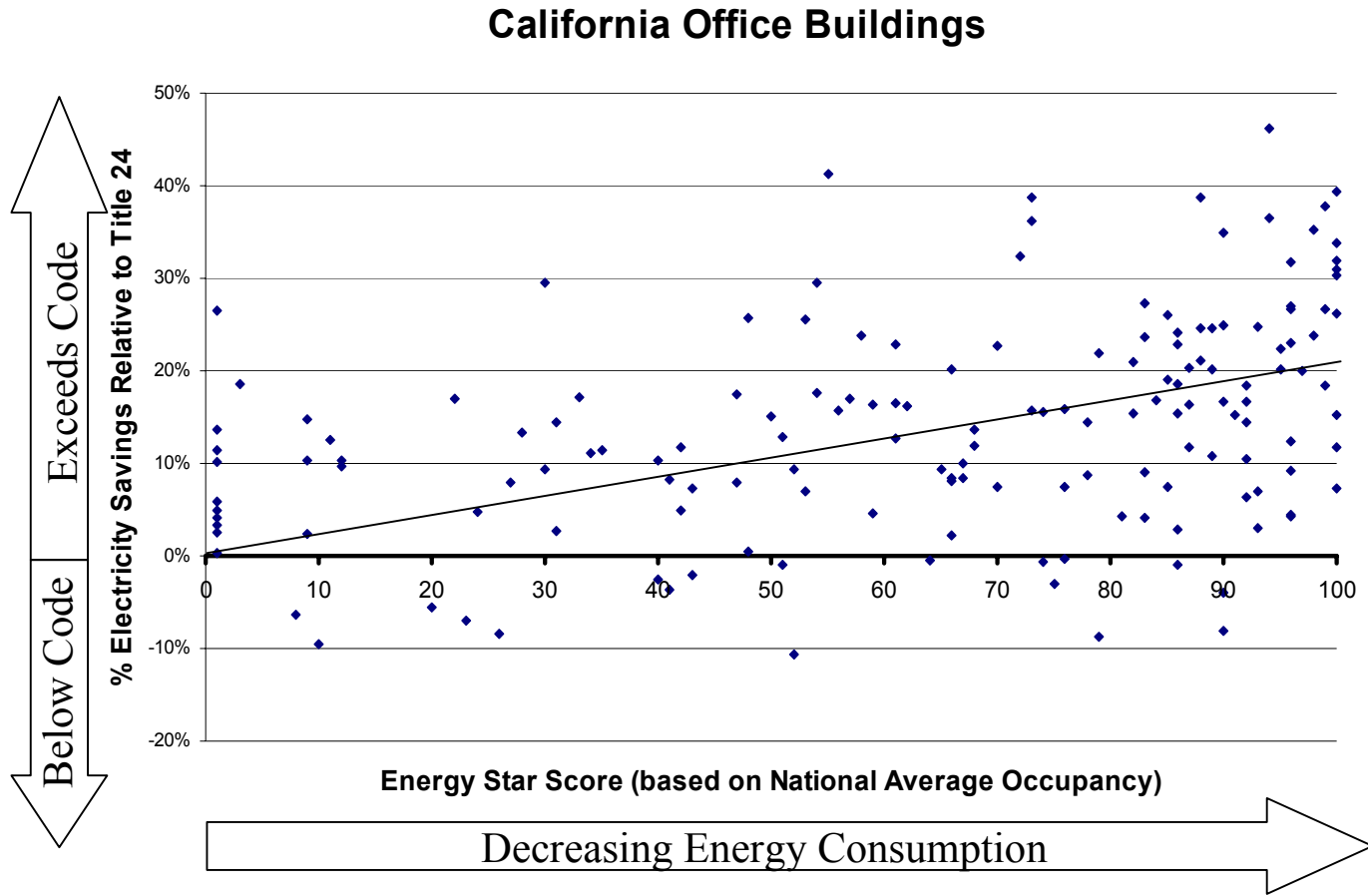
Today's building components are at least 30 percent more efficient than 20 years ago.

But... Many programs use codes to address the 30% energy waste.

- **Prescriptive**
 - checklist approach
- **"Performance"**
 - simulation approach



Codes Do Not Ensure Individual Whole Building Performance



Source: New Building Institute, California Board for Energy Efficiency; EPA



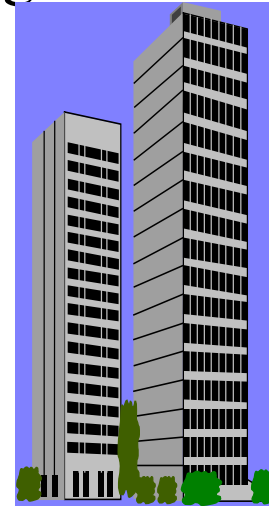
Make Whole Building Performance a Working Concept

Is 10 MPG high or low for an automobile?



Answer: Common Knowledge

Is 50,000 btu/sq. ft high or low for an office building?



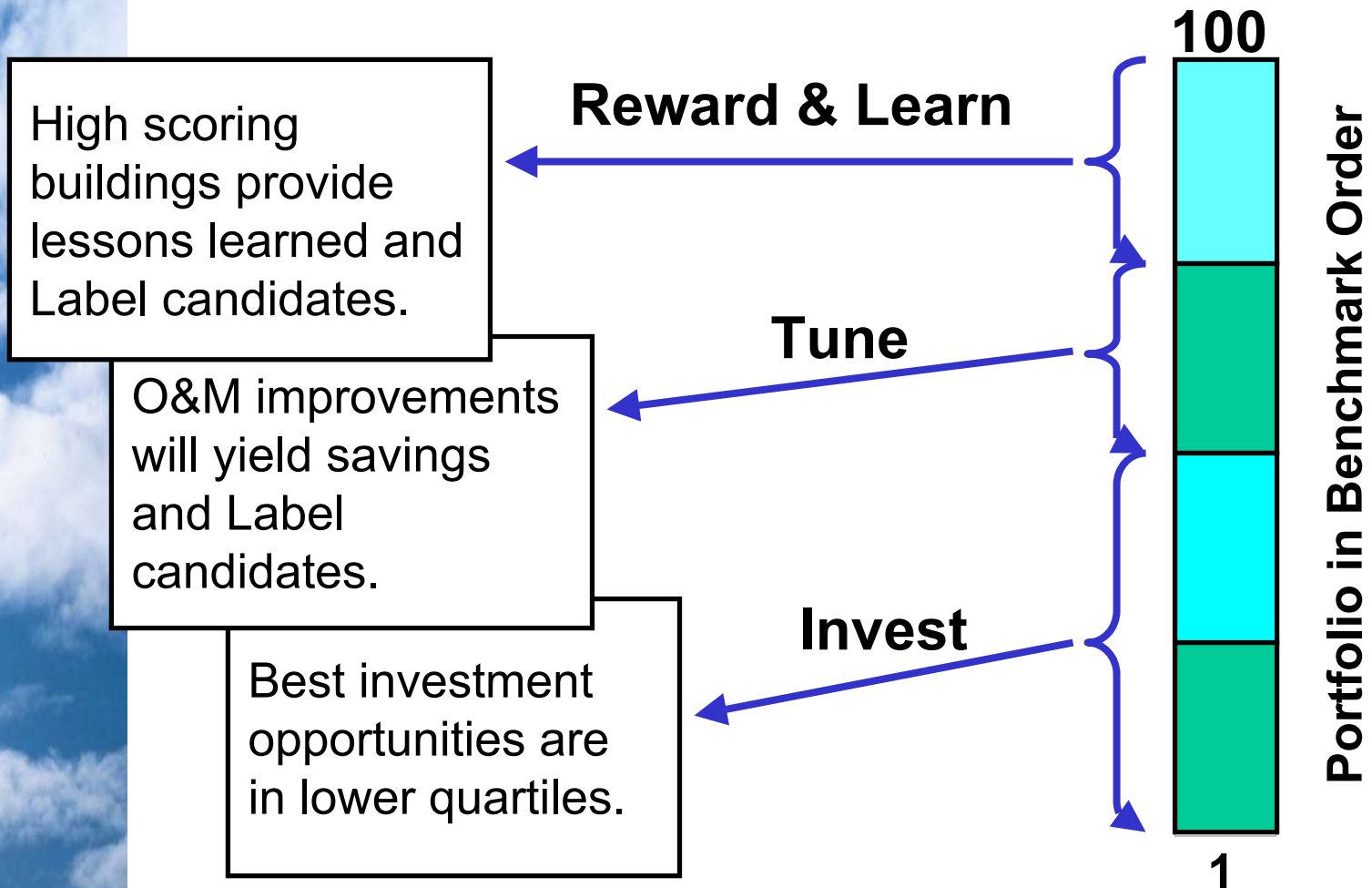
Answer: Even some facility experts don't know



Buildings Earning the ENERGY STAR

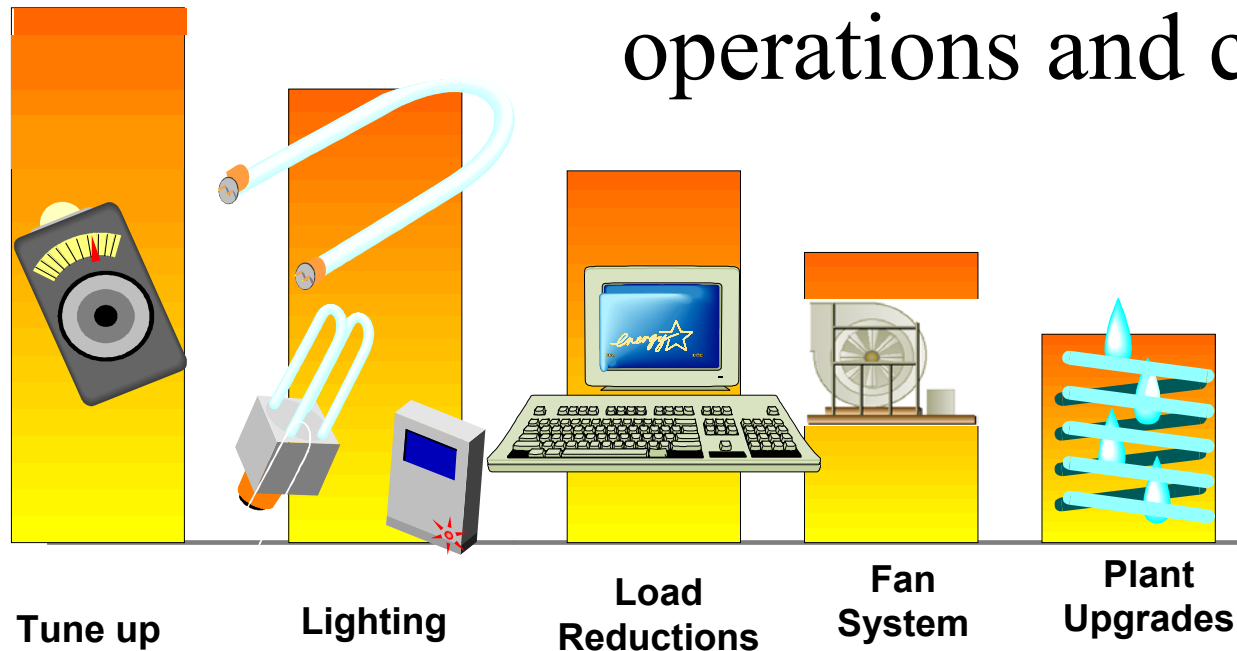
- Use 40% less energy than the average building
- While no single path to ENERGY STAR, common elements are:
 - Organizational commitment
 - Good operating practices
 - Application of best practice technologies

Set Priorities Across Portfolios



The Five-Stage Approach

Focus on sizing,
operations and control



Maintenance & Measuring



ENERGY STAR Benchmarking

Eligible Space Types

Office
Schools (K-12)
Hotels
Hospitals
Grocery/Supermarkets

Local Government Effort to Round out Portfolio

Libraries
Police Stations
Fire Stations
Recreation Centers, etc.



Many Other Resources

- Building Upgrade Manual
- Financing Information
- Marketing/Communications Toolkit
- On-Line Training
- Annual ENERGY STAR Awards
- Directory of Service and Product Providers
- ENERGY STAR Product Purchasing Tools
- Home Improvement Tools
- New Homes
- Change Campaign
- And More ...



To Learn More...

www.energystar.gov

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